

**Element Performance Inspection (EPI) Data Collection Tool**  
**5.1.8 Extended Range Operations with Two–Engine Airplanes (ETOPS) (OP)**

**ELEMENT SUMMARY INFORMATION**

**Purpose of This Element** (Certificate Holder's responsibility):

- To ensure that the Certificate Holder provides safe and reliable operations in accordance with their approved ETOPS authorization.

**Objective** (FAA oversight responsibility):

- To determine if there were any changes in the personnel identified by the Certificate Holder as having responsibility and/or authority for the Extended Range Operations with Two–Engine Airplanes (ETOPS) program.
- To determine if the Certificate Holder follows its procedures, controls, process measurements and interfaces for the Extended Range Operations with Two–Engine Airplanes (ETOPS) program.

**Specific Instructions:**

- To accomplish this EPI, the inspector should become familiar with the Certificate Holder's operations specifications and ETOPS procedures.

**Related EPI(s):**

- 1.1.2 Appropriate Operational Equipment (AW)
- 3.1.3 Airmen Duties / Flight Deck Procedures (OP)
- 3.1.4 Operational Control (OP)
- 3.1.9 Aircraft Performance Operating Limitations (OP)
- 3.2.1 Dispatch / Flight Release (OP)
- 3.2.3 MEL / CDL Procedures (OP)
- 4.2.11 Training of Flight Followers (OP)
- 4.2.3 Training of Flight Crewmembers (OP)
- 4.2.5 Training of Dispatchers (OP)
- 4.2.9 Outsource Crewmember Training (OP)
- 4.3.2 Appropriate Airmen / Crewmember Checks and Qualifications (OP)
- 5.1.6 Use of Approved Areas, Routes and Airports (OP)
- 5.1.7 Special Navigation Areas of Operation (OP)
- 5.1.9 RVSM Authorization (AW)
- 6.1.1 Scheduling / Reporting System (OP)
- 7.2.1 Safety Program (Ground and Flight) (OP)

**SUPPLEMENTAL INFORMATION****Specific Regulatory Requirement(s) (SRRs):**

- SRRs:
  - 119.33(a)(1)
  - 119.33(a)(2)
  - 119.33(a)(3)
  - 119.43(b)
  - 119.43(b)(1)
  - 119.43(b)(2)
  - 119.43(c)
  - 119.49
  - 119.49(a)
  - 119.49(b)
  - 119.5(f)(1)
  - 119.5(f)(2)
  - 121.135(a)(1)
  - 121.135(b)(1)
  - 121.135(b)(19)
  - 121.135(b)(2)
  - 121.135(b)(21)
  - 121.135(b)(3)
  - 121.135(b)(5)
  - 121.135(b)(6)
  - 121.135(b)(7)
  - 121.161(a)
  - 121.383(a)(1)
  - 121.383(a)(2)
  - 121.383(a)(3)

**Related CFR(s) & FAA Policy/Guidance:**

- Related CFRs:
  - Intentionally left blank
- FAA Policy/Guidance:
  - FAA Order 8400.10, Volume 3, Chapter 1
  - FAA Order 8400.10, Volume 3, Chapter 3
  - FAA Order 8400.10, Volume 4, Chapter 1
  - Advisory Circular 120-42A

**EPI SECTION 1 – PERFORMANCE OBSERVABLES**

**Objective:** (FAA oversight responsibility): To determine if the Certificate Holder follows its procedures, controls, process measures and interfaces for the Extended Range Operations with Two–Engine Airplanes (ETOPS).

**Tasks**

To meet this objective, the inspector must accomplish the following tasks:

1. Review the information listed in the Supplemental Information section of this data collection tool.
2. Review the policies, procedures, instructions and information for the Extended Range Operations with Two–Engine Airplanes (ETOPS) program contained in the Certificate Holder's manual.
3. Review the associated SAI for this element with emphasis on the controls, process measurements and interface attribute sections. .
4. Observe the Extended Range Operations with Two–Engine Airplanes (ETOPS) program to gain an understanding of the procedures, instructions and information contained in the Certificate Holder's manual.
5. Discuss the Extended Range Operations with Two–Engine Airplanes (ETOPS) program with the personnel (other than management) who perform the duties and responsibilities required by the program.

**Questions**

To meet this objective, the inspector must answer the following questions:

1. Were the following Performance Measures met:
  - 1.1 Were en route alternate criteria met for ETOPS?
 

	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
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  - 1.2 Were crewmembers qualified in the Certificate Holder's ETOPS operations?
 

	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
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  - 1.3 Did all airports used in ETOPS have safe conditions and adequate ground equipment?
 

	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
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  - 1.4 Were only airplanes listed in operations specifications D086 used in ETOPS operations?
 

	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
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2. Were the Certificate Holder's policies, procedures, instructions and information, contained in its manual, for the Extended Range Operations with Two–Engine Airplanes (ETOPS) program followed?
 

<p><i>Related Performance JTI's:</i></p> <ol style="list-style-type: none"> <li>1. Check at air carrier specified location that the Certificate Holder has conducted flag ETOPS as provided by its operations specifications. <i>Sources: 119.49(a)</i></li> <li>2. Check at air carrier specified location that the Certificate Holder has conducted supplemental ETOPS as provided by its operations specifications. <i>Sources: 119.49(b)</i></li> </ol>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
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3. Were the Extended Range Operations with Two–Engine Airplanes (ETOPS) program controls followed?
 

	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
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4. Did the records for the Extended Range Operations with Two–Engine Airplanes (ETOPS) program comply with the instructions provided in the

Certificate Holder's manual?	<input type="checkbox"/> No, Explain
5. Were the process measurements for the Extended Range Operations with Two-Engine Airplanes (ETOPS) program effective in identifying problems or potential problems and providing corrective action for them?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
6. Did personnel properly handle the associated interfaces by complying with other written policies, procedures, instructions and information that are related to this element?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain

<b>EPI SECTION 1 – PERFORMANCE OBSERVABLES</b> <b>–Drop Down Menu</b>	
1. Personnel.	
2. Tools and Equipment.	
3. Technical Data.	
4. Procedures, policies or instructions or information.	
5. Materials.	
6. Facilities.	
7. Controls.	
8. Process Measures.	
9. Interfaces.	
10. Desired Outcome.	
11. Other.	

**EPI SECTION 2 – MANAGEMENT RESPONSIBILITY & AUTHORITY OBSERVABLES**

**Objective:** To determine if the person identified by the Certificate Holder having responsibility and/or authority for the Extended Range Operations with Two–Engine Airplanes (ETOPS) is qualified, knowledgeable, and recognizes that responsibility and/or authority. (The person with the authority may or may not be the person with the responsibility.)

**Tasks**

To meet this objective, the inspector must accomplish the following tasks:

1. Identify the person who has overall responsibility for the Extended Range Operations with Two–Engine Airplanes (ETOPS) program.
  2. Identify the person who has overall authority for the Extended Range Operations with Two–Engine Airplanes (ETOPS) program.
- NOTE: If no personnel or major program changes (as defined by the Principal Inspector) affecting the responsibility or authority attributes for this element have occurred since the last SAI and/or EPI was accomplished, then do not perform tasks 3 – 6. Answer questions 2.1 & 2.2, and provide the name/title.
3. Review the duties and responsibilities for the person(s) who manage the Extended Range Operations with Two–Engine Airplanes (ETOPS) program documented in the Certificate Holder's manual.
  4. Review the appropriate organizational chart.
  5. Discuss the Extended Range Operations with Two–Engine Airplanes (ETOPS) program with the management personnel identified in Tasks 1 and 2..
  6. Evaluate the qualifications and work experience of the management personnel identified in Tasks 1 and 2..

**Questions**

To meet this objective, the inspector must answer the following questions:

2. Are the following aspects of the Management Responsibility and Authority Attributes addressed for the Extended Range Operations with Two–Engine Airplanes (ETOPS) program:
 

2.1 Is there a clearly identified person who is responsible for the quality of the Extended Range Operations with Two–Engine Airplanes (ETOPS) program?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain Name/Title: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>
2.2 Is there a clearly identified person who has authority to establish and modify the Certificate Holder's policies, procedures, instructions and information for the Extended Range Operations with Two–Engine Airplanes (ETOPS) program?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain Name/Title: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>
2.3 Does the responsible person know that he/she has responsibility for the Extended Range Operations with Two–Engine Airplanes (ETOPS) program?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
2.4 Does the person with authority know that he/she has authority for the Extended Range Operations with Two–Engine Airplanes (ETOPS) program?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
2.5 Does the person with responsibility for the Extended Range Operations with Two–Engine Airplanes (ETOPS) program meet the qualification standards?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain

	<input type="checkbox"/> Not Applicable
2.6 Does the person with authority to establish and modify the Extended Range Operations with Two-Engine Airplanes (ETOPS) program meet the qualification standards?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
2.7 Does the person with responsibility understand the controls, process measurements, and interfaces associated with the Extended Range Operations with Two-Engine Airplanes (ETOPS) program?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
2.8 Does the person with authority understand the controls, process measurements, and interfaces associated with the Extended Range Operations with Two-Engine Airplanes (ETOPS) program?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
2.9 Does the responsible person know who has authority to establish and modify the Extended Range Operations with Two-Engine Airplanes (ETOPS) program?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
2.10 Does the individual with authority know who has the responsibility for the Extended Range Operations with Two-Engine Airplanes (ETOPS) program?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

<b>EPI SECTION 2 – MANAGEMENT RESPONSIBILITY &amp; AUTHORITY OBSERVABLES –Drop Down Menu</b>	
1. Assignment of responsibility.	
2. Assignment of authority.	
3. Does not understand procedures, policies or instructions and information.	
4. Does not understand controls.	
5. Does not understand process measurements.	
6. Does not understand interfaces.	
7. Span of control.	
8. Position vacant.	
9. Other.	